Kenji Kinashi

List of Publications by Citations

94 papers	986 citations	18 h-index	24 g-index
113 ext. papers	1,173 ext. citations	3.6 avg, IF	4.44 L-index

#	Paper	IF	Citations
94	Reverse photochromism of spiropyran in silica. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 213, 136-140	4.7	42
93	Real-time three-dimensional holographic display using a monolithic organic compound dispersed film. *Optical Materials Express*, **2012**, 2, 1003	2.6	41
92	The mechanism for negative photochromism of spiropyran in silica. *Journal of Physical Organic Chemistry*, **2012**, 25, 462-466	2.1	30
91	Quickly Updatable Hologram Images Using Poly(N-vinyl Carbazole) (PVCz) Photorefractive Polymer Composite. *Materials*, **2012**, 5, 1477-1486	3.5	29
90	High-Speed Photorefractive Response Capability in Triphenylamine Polymer-Based Composites. *Applied Physics Express*, **2012**, 5, 064101	2.4	28
89	A spiropyran-based X-ray sensitive fiber. *Chemical Communications*, **2015**, 51, 11170-3	5.8	27
88	Photorefractive response and real-time holographic application of a poly(4-(diphenylamino)benzyl acrylate)-based composite. *Polymer Journal*, **2014**, 46, 59-66	2.7	26
87	Thermal stability of merocyanine form in spiropyran/silica composite film. *Thin Solid Films*, **2008**, 516, 2532-2536	2.2	25
86	Alkyl substituent effects on J- or H-aggregate formation of bisazomethine dyes. *Dyes and Pigments*, **2012**, 92, 783-788	4.6	24
85	Recycled PET as a PDMS-Functionalized electrospun fibrous membrane for oil-water separation. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103921	6.8	24
84	Centrifugally Spun Recycled PET: Processing and Characterization. *Polymers*, **2018**, 10,	4.5	23
83	Fully updatable three-dimensional holographic stereogram display device based on organic monolithic compound. *Optics Express*, **2013**, 21, 19880-4	3.3	23
82	Nature of the Enhancement in Ferroelectric Properties by Gold Nanoparticles in Vinylidene Fluoride and Trifluoroethylene Copolymer. *ACS Applied Materials & Interfaces*, **2016**, 8, 16816-22	9.5	23
81	Photorefractive performance of poly(triarylamine)-Based polymer composites: An approach from the photoconductive properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2015**, 53, 502-508	2.6	22
80	Direct laser writing for micro-optical devices using a negative photoresist. *Optics Express*, **2017**, 25, 31539-31551	3.3	21
79	Antibacterial and Osteoconductive Effects of Chitosan/Polyethylene Oxide (PEO)/Bioactive Glass Nanofibers for Orthopedic Applications. *Applied Sciences (Switzerland)*, **2020**, 10, 2360	2.6	20
78	Fabrication and photochromic properties of Forcespinning fibers based on spiropyran-doped poly(methyl methacrylate). *RSC Advances*, **2017**, 7, 33061-33067	3.7	20

77	Radiochromic film containing spiropyran dye for dosimetry of low energy X-rays. *Journal of Physical Organic Chemistry*, **2012**, 25, 427-430	2.1	18
76	Facile and Scalable Fabrication of Porous Polystyrene Fibers for Oil Removal by Centrifugal Spinning. *ACS Omega*, **2019**, 4, 15992-16000	3.9	17
75	Photorefractive device using self-assembled monolayer coated indium-tin-oxide electrodes. *Organic Electronics*, **2013**, 14, 2987-2993	3.5	17
74	Photo-induced alignment behavior of azobenzene compound in thin film. *Thin Solid Films*, **2009**, 518, 805-809	2.2	17
73	Photorefractive dynamics in poly(triarylamine)-based polymer composites. *Optics Express*, **2015**, 23, 25158-70	3.5	16
72	Fabrication of gold microstructures using negative photoresists doped with gold ions through two-photon excitation. *Physical Chemistry Chemical Physics*, **2016**, 18, 17024-8	3.6	16
71	Re-evaluation of all-plastic organic dye laser with DFB structure fabricated using photoresists. *Scientific Reports*, **2016**, 6, 34741	4.9	15
70	Triphenylamine photoconductive polymers for high performance photorefractive devices. *Journal of Photochemistry and Photobiology A: Chemistry*, **2014**, 291, 26-33	4.7	15
69	Optimization of Photorefractivity Based on Poly(N-vinylcarbazole) Composites: An Approach from the Perspectives of Chemistry and Physics. *Macromolecular Chemistry and Physics*, **2013**, 214, 1789-1797	2.6	15
68	Fabrication and optical properties of photochromic compound/clay hybrid films. *Thin Solid Films*, **2009**, 518, 651-655	2.2	15
67	Reversible multi-coloring reaction of spironaphtooxazine controlled by long-chain molecule. *Journal of Photochemistry and Photobiology A: Chemistry*, **2010**, 213, 189-193	4.7	15
66	Updatable Holographic Diffraction of Monolithic Carbazole-Azobenzene Compound in Poly(methyl methacrylate) Matrix. *Journal of Physical Chemistry C*, **2015**, 119, 18567-18572	3.8	14
65	Composite Resin Dosimeters: A New Concept and Design for a Fibrous Color Dosimeter. *ACS Applied Materials & Interfaces*, **2018**, 10, 11926-11932	9.5	14
64	Crystalline thin films of □phase poly(9,9-dioctylfluorene). *Thin Solid Films*, **2011**, 519, 2247-2250	2.2	14
63	Re-evaluation of the origin of relaxor ferroelectricity in vinylidene fluoride terpolymers: An approach using switching current measurements. *Scientific Reports*, **2017**, 7, 15871	4.9	13
62	Time-resolved fluorescence study on the photomerocyanine form of spiropyran and its derivative with azobenzene. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 217, 35-39	4.7	13
61	Radiation-induced colour changes in a spiropyran/BaFCl:Eu2+/polystyrene composite film and nonwoven fabric. *New Journal of Chemistry*, **2016**, 40, 8658-8663	3.6	12
60	Fabrication of the silver structure through two-photon excitation by femtosecond laser. *Chemical Physics Letters*, **2014**, 610-611, 241-245	2.5	12

59	Carrier-assisted dyeing of poly(l -lactic acid) fibers with dispersed photochromic spiropyran dyes. *Dyes and Pigments*, **2017**, 145, 444-450	4.6	11
58	Spin-Trapping Analysis and Characterization of Thermal Degradation of Thermoplastic Poly(ether□ester) Elastomer. *Macromolecules*, **2018**, 51, 1088-1099	5.5	11
57	Synthesis, characterization, photo-induced alignment, and surface orientation of poly(9,9-dioctylfluorene-alt-azobenzene)s. *Journal of Polymer Science Part A*, **2012**, 50, 5107-5114	2.5	11
56	Fabrication of three-dimensional microstructures in positive photoresist through two-photon direct laser writing. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	10
55	High-Performance All-Organic DFB and DBR Waveguide Laser with Various Grating Height Fabricated by a Two-Photon Absorption DLW Method. *Scientific Reports*, **2019**, 9, 10582	4.9	9
54	Recent advances in photorefractivity of poly(4-diphenylaminostyrene) composites: Wavelength dependence and dynamic holographic images. *Japanese Journal of Applied Physics*, **2014**, 53, 082601	1.4	9
53	Photorefractive Composite Based on a Monolithic Polymer. *Macromolecular Chemistry and Physics*, **2012**, 213, 982-988	2.6	9
52	Molecular design of azo-carbazole monolithic dyes for updatable full-color holograms. *NPG Asia Materials*, **2016**, 8, e311-e311	10.3	9
51	Chitosan-Functionalized Recycled Polyethylene Terephthalate Nanofibrous Membrane for Sustainable On-Demand Oil-Water Separation. *Global Challenges*, **2021**, 5, 2000107	4.3	9
50	Leuco-Based Composite Resin Dosimeter Film. *ACS Omega*, **2019**, 4, 9946-9951	3.9	8
49	Enhanced photoconductivity and trapping rate through control of bulk state in organic triphenylamine-based photorefractive materials. *Organic Electronics*, **2014**, 15, 3471-3475	3.5	8
48	Dynamic holographic images using poly(N-vinylcarbazole)-based photorefractive composites. *Polymer Journal*, **2013**, 45, 665-670	2.7	8
47	Environmentally Friendly Chitosan-Modified Polycaprolactone Nanofiber/Nanonet Membrane for Controllable Oil/Water Separation. *ACS Applied Polymer Materials*, **2021**, 3, 3891-3901	4.3	8
46	Spin-Trapping Analysis of Thermal Degradation Reaction of Poly(butylene terephthalate). *Macromolecules*, **2017**, 50, 254-263	5.5	7
45	Photorefractive dynamics in poly(triarylamine)-based polymer composite: an approach utilizing a second electron trap to reduce the photoconductivity. *Optical Materials Express*, **2018**, 8, 401	2.6	7
44	Bacteriostatic Behavior of PLA-BaTiO Composite Fibers Synthesized by Centrifugal Spinning and Subjected to Aging Test. *Molecules*, **2021**, 26,	4.8	7
43	Understanding ferroelectric performances of spin-coated odd□odd nylon thin films. *Journal of Applied Polymer Science*, **2019**, 136, 47595	2.9	6
42	Optimal composition of the poly(triarylamine)-based polymer composite to maximize photorefractive performance. *Scientific Reports*, **2019**, 9, 739	4.9	6

41	Two-photon excitation by femtosecond laser in poly(N-vinylpyrrolidone) matrix doped with silver ions. *Chemical Physics Letters*, **2013**, 558, 62-65	2.5	6
40	Advantage of the circular polarization of light in the updatable holographic response in an azo-carbazole monolithic dye dispersed acrylate matrix. *Optical Materials Express*, **2017**, 7, 1647	2.6	6
39	Ferroelectric Switching of Vinylidene and Trifluoroethylene Copolymer Thin Films on Au Electrodes Modified with Self-Assembled Monolayers. *Materials*, **2014**, 7, 6367-6376	3.5	6
38	Synthesis and Photochromic Behavior of Bi-functional Photochromic Compound. *Molecular Crystals and Liquid Crystals*, **2006**, 445, 223/[513]-230/[520]	0.5	6
37	Multi-photochromic Behavior of Hybrid Material with Spirobenzopyran and Azobenzene Moieties. *Chemistry Letters*, **2006**, 35, 298-299	1.7	6
36	Ferroelectric performance of nylons 6-12, 10-12, 11-12, and 12-12.. *RSC Advances*, **2020**, 10, 15740-15750	3.7	5
35	Influence of baking conditions on 3D microstructures by direct laser writing in negative photoresist SU-8 via two-photon polymerization. *Journal of Laser Applications*, **2017**, 29, 042010	2.1	5
34	Reversible Visualization for Synchrotron Radiation Using Photochromic Dye and Photostimulable Phosphor Composite Film. *International Journal of Photoenergy*, **2014**, 2014, 1-5	2.1	5
33	Photoswitching of diarylethene using bisazomethine dye. *Optical Materials*, **2009**, 31, 1711-1714	3.3	5
32	Photo-induced molecular alignment of azo dye derivative. *Thin Solid Films*, **2008**, 516, 2686-2690	2.2	5
31	Characterization of Carrier Transport and Trapping in Photorefractive Polymer Composites Using Photoemission Yield Spectroscopy in Air. *Macromolecular Chemistry and Physics*, **2016**, 217, 1785-1791	2.6	5
30	Enhanced photorefractivity of a perylene bisimide-sensitized poly(4-(diphenylamino) benzyl acrylate) composite. *Optical Materials Express*, **2016**, 6, 1714	2.6	5
29	X-ray Visualization and Quantification Using Fibrous Color Dosimeter Based on Leuco Dye. *Applied Sciences (Switzerland)*, **2020**, 10, 3798	2.6	4
28	Photorefractivity of Perylene Bisimide-Sensitized Poly(4-(diphenylamino)benzyl acrylate). *Macromolecular Chemistry and Physics*, **2016**, 217, 85-91	2.6	4
27	Material Design of Azo-Carbazole Copolymers for Preservation Stability with Rewritable Holographic Stereograms. *Macromolecular Chemistry and Physics*, **2019**, 220, 1800456	2.6	4
26	Electron dominated grating in a triphenylamine-based photorefractive composite. *Journal of Materials Chemistry C*, **2016**, 4, 6822-6828	7.1	3
25	Structural change of polydiacetylene Langmuir film during compression process. *Thin Solid Films*, **2009**, 518, 819-823	2.2	3
24	Dynamic holographic images using photorefractive composites **2012**,		3

23	Influence of an Interfacial Effect on the Laser Performance of a Rhodamine 6G/Cellulose Acetate Waveguide on a Vinylidene Fluoride Copolymer Layer. *Langmuir*, **2018**, 34, 7527-7535	4	3
22	Compact and Scalable Large Vortex Array Generation Using Azocarbazole Polymer and Digital Hologram Printing Technique.. *Nanoscale Research Letters*, **2022**, 17, 44	5	3
21	Re-evaluation of the Energy Density Properties of VDF Ferroelectric Thin-Film Capacitors. *ACS Omega*, **2020**, 5, 30468-30477	3.9	2
20	Quickly updatable hologram images with high performance photorefractive polymer composites **2012**,		2
19	Ferroelectric switching in spin-coated nylons 11 and 12. *Journal of Applied Polymer Science*, **2020**, 137, 48438	2.9	2
18	Spin-trapping analysis for thermal degradation of poly(vinyl alcohol). *Polymer*, **2021**, 217, 123416	3.9	2
17	Effect of BaTiO3 on the aging process of PLA fibers obtained by centrifugal spinning. *Materials Today Chemistry*, **2021**, 20, 100461	6.2	2
16	Flexible All-Organic Photorefractive Devices. *ACS Applied Electronic Materials*, **2019**, 1, 238-245	4	2
15	Fabrication of silver helix microstructures in a large area by a two-photon absorption DLW method. *Scientific Reports*, **2021**, 11, 15860	4.9	2
14	Generation of Ince□Gaussian Beams Using Azocarbazole Polymer CGH. *Journal of Imaging*, **2022**, 8, 144	3.1	2
13	Holographic Performance of Azo-Carbazole Dye-Doped UP Resin Films Using a Dyeing Process. *Materials*, **2019**, 12,	3.5	1
12	Theoretical Limit of the Color-Change Sensitivity of a Composite Resin Dosimeter Film Based on Spiropyran/BaFCl : Eu/Polystyrene. *ChemistryOpen*, **2020**, 9, 623-627	2.3	1
11	Effects of terminal alkyl substituents on the low-dimensional arrangement of □stacked molecules in the crystal structures of bisazomethine dyes. *Zeitschrift Fur Kristallographie - Crystalline Materials* , **2016**, 231, 487-498	1	1
10	Dynamic holographic images using polyvinylcarbazole-based photorefractive composites **2012**,		1
9	Photorefractive Response: An Approach from the Photoconductive Properties. *Springer Series in Materials Science*, **2016**, 129-156	0.9	1
8	Triphenylamine-Based Plasticizer in Controlling Traps and Photorefractivity Enhancement. *ACS Applied Electronic Materials*, **2021**, 3, 2170-2177	4	1
7	X-ray composite fibrous color dosimeter based on 10,12-pentacosadiynoic acid. *Dyes and Pigments*, **2021**, 191, 109356	4.6	1
6	Scalable fabrication of cross-linked porous centrifugally spun polyimide fibers for thermal insulation application. *European Polymer Journal*, **2022**, 169, 111123	5.2	1

5	Enhancement of Amplified Spontaneous Emission and Laser Performance of Rhodamine 6G/Cellulose Acetate DFB and DBR Waveguide Devices: A Role of Thermally Annealed P(VDF-TrFE) Intermediate Layer. *ACS Applied Electronic Materials*, **2020**, 2, 1514-1521	4	0
4	Electron spin resonance and photoelectron yield spectroscopic studies for photocarrier behavior in photorefractive polymeric composites. *Organic Electronics*, **2019**, 68, 248-255	3.5	0
3	Spin trapping analysis of the thermal degradation of polypropylene. *Polymer Degradation and Stability*, **2022**, 197, 109871	4.7	0
2	Photorefractive Response Enhancement in Poly(triarylamine)-Based Polymer Composites by a Second Electron Trap Chromophore.. *ACS Omega*, **2022**, 7, 12120-12126	3.9	0
1	Nylon 10-12-based ferroelectric capacitor for energy storage. *AIP Advances*, **2020**, 10, 095323	1.5	